



# **STATE MINING AND GEOLOGY BOARD**

## **EXECUTIVE OFFICER'S REPORT**

**For Meeting Date: June 9, 2011**

**Agenda Item No. 8: Adoption of Regulatory Language for Designation of Mineral Resources Areas of Statewide or Regional Significance for the Bakersfield Production-Consumption Region, County of Kern, California.**

**INTRODUCTION:** At its October 8, 2009, regular business meeting, the State Mining and Geology Board (SMGB) accepted California Geological Survey (CGS) Special Report 210 for Update of Mineral Land Classification, Aggregate Materials in the Bakersfield Production-Consumption Region, Kern County, California. Consideration of designation of mineral lands typically follows classification. The SMGB, based on recommendations from the State Geologist, considers areas to be designated. The State Geologist has recommended designation of select mineral resource lands in the Bakersfield's Production-Consumption (P-C) Region, Kern County. The State Geologist's recommendations were accepted by the SMGB at its regular business meeting held on November 12, 2009. A hearing to receive public comment was held on July 29, 2010. No comments were received. The SMGB is considering adopting its proposed new regulatory language for designation of mineral resources areas of statewide or regional significance for the Bakersfield Production-Consumption Region, County of Kern, California.

**STATUTORY AUTHORITY:** The SMGB's statutory authority to incorporate mineral lands classification information into state policy is provided pursuant to Division 2, Chapter 9, Article 4, State Policy for the Reclamation of Mined Lands, Public Resources Code (PRC) Section 2761(a), which states:

*"On or before January 1, 1977, and, as a minimum, after the completion of each decennial census, the Office of Planning and Research shall identify portions of the following areas within the state which are urbanized or are subject to urban expansion or other irreversible land uses which would preclude mineral extraction:*

*(1) Standard metropolitan statistical areas and such other areas for which information is readily available.*

*(2) Other areas as may be requested by the board.*

*(b) In accordance with a time schedule, and based upon guidelines adopted by the board, the State Geologist shall classify, on the basis solely of geologic factors, and without regard to existing land use and land ownership, the areas identified by the Office of Planning and Research, any area for which classification has been requested by a petition which has been accepted by the board, or any other areas as may be specified by the board, as one of the following:*



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- (1) Areas containing little or no mineral deposits.
- (2) Areas containing significant mineral deposits.
- (3) Areas containing mineral deposits, the significance of which requires further evaluation.

*The State Geologist shall require the petitioner to pay the reasonable costs of classifying an area for which classification has been requested by the petitioner.*

*(c) The State Geologist shall transmit the information to the board for incorporation into the state policy and for transmittal to lead agencies.”*

The SMGB’s statutory authority to consider areas for designation is provided pursuant to Division 2, Chapter 9, Article 6, Areas of Statewide or Regional Significance, PRC Section 2790, which states:

*“After receipt of mineral information from the State Geologist pursuant to subdivision (c) of Section 2761, the board may by regulation adopted after a public hearing designate specific geographical areas of the state as areas of statewide or regional significance and specify the boundaries thereof. Such designation shall be included as a part of the state policy and shall indicate the reason for which the particular area designated is of significance to the state or region, the adverse effects that might result from premature development of incompatible land uses, the advantages that might be achieved from extraction of the minerals of the area, and the specific goals and policies to protect against the premature incompatible development of the area.”*

The statutory authority which allows the SMGB to terminate, in whole or in part, an area previously designated is provided pursuant to PRC Section 2793 which states:

*“The board may, by regulation adopted after a public hearing, terminate, partially or wholly, the designation of any area of statewide or regional significance on a finding that the direct involvement of the board is no longer required.”*

## **BACKGROUND:**

**Designation:** Designation is the formal recognition by the SMGB of lands containing mineral resources of regional or statewide economic significance that are needed to meet the demands of the future. At its October 8, 2009, regular business meeting, the SMGB accepted CGS Special Report 210 titled “*Update of Mineral Land Classification, Aggregate Materials in the Bakersfield P-C Region, Kern County, California*” (Busch, 2009). This report updated information on portland cement concrete (PCC) aggregate in the original classification study of the Bakersfield Production -Consumption Region published in 1988 by CGS as Special Report 147 titled “*Mineral Land Classification: Aggregate Materials in the Bakersfield Production-Consumption Region, Riverside County, California*” (Cole, 1988).



Special Report 147 identified 19,491 acres of land containing approximately 5.3 billion tons of PCC-grade aggregate resources. The reevaluation and update in Special Report 210 identifies 20,193 acres of land containing an estimated 4.4 billion tons of PCC-grade aggregate resources; this includes an additional 2,456 acres of newly identified land containing an estimated 442 million tons of PCC-grade resources in areas adjacent to the Bakersfield P-C Region (Sectors I, J and K). The areas are identified as Candidate Sectors A through K (in 62 individual sectors and sub-sectors).

The publication of Special Report 147, and its update Special Report 210, accomplish part-one of the two-part *Classification-Designation process*. Part-two of the two-step process, designation, is the formal recognition by the SMGB of lands containing mineral resources of regional or statewide economic significance needed to meet the demands of the future. In the years since the original publication of Special Report 147, the designation process has not yet been completed.

The State Geologist has recommended several candidates, or areas, which meet or exceed the SMGB's threshold economic value, thus, each area may be considered for designation as an area of regional or statewide significance by the SMGB. These areas include candidate Sectors A through K (and their subsectors) as lands containing construction aggregate resources of regional or statewide significance. The recommendations were accepted by the SMGB on November 12, 2009.

Public Comment: The 60-day public comment period, pursuant to PRC Section 2762(d)(2), commenced on July 1, 2010, and ended on August 30, 2010. No comments were received during the 60-Day public comment period. In addition, pursuant to PRC Section 2793, a public hearing was held on July 29, 2010, in Bakersfield. The hearing facility was barrier free in accordance with the Americans with Disabilities Act. At the hearing, an opportunity for any person to present statements or arguments orally or in writing relevant to the proposed action described in the Informative Digest, was provided. The SMGB requested, but did not require, that persons who made oral comments at the hearing also submit a written copy of their testimony. During such hearing, no comments were received.

The Notice of Proposed Rulemaking for this regulation was published in the California Regulatory Notice Register on December 31, 2010. This action commenced the 45-day public comment period. The 45-day comment period commenced on December 31, 2010, and closed at 5:00 p.m. on February 14, 2011. No comments were received during this 45-Day public comment period.

**CANDIDATE AREAS FOR DESIGNATION:** The candidate areas for designation are shown on two Plates: Plate 1, *Candidate Areas for Designation in the Bakersfield Production-Consumption (P-C) Region, Kern County California, Northern Area*; and Plate 2, *Candidate*



*Areas for Designation in the Bakersfield Production-Consumption (P-C) Region, Kern County California, Southern Area.* A description of each candidate Sector is given below and summarized on Table 1.

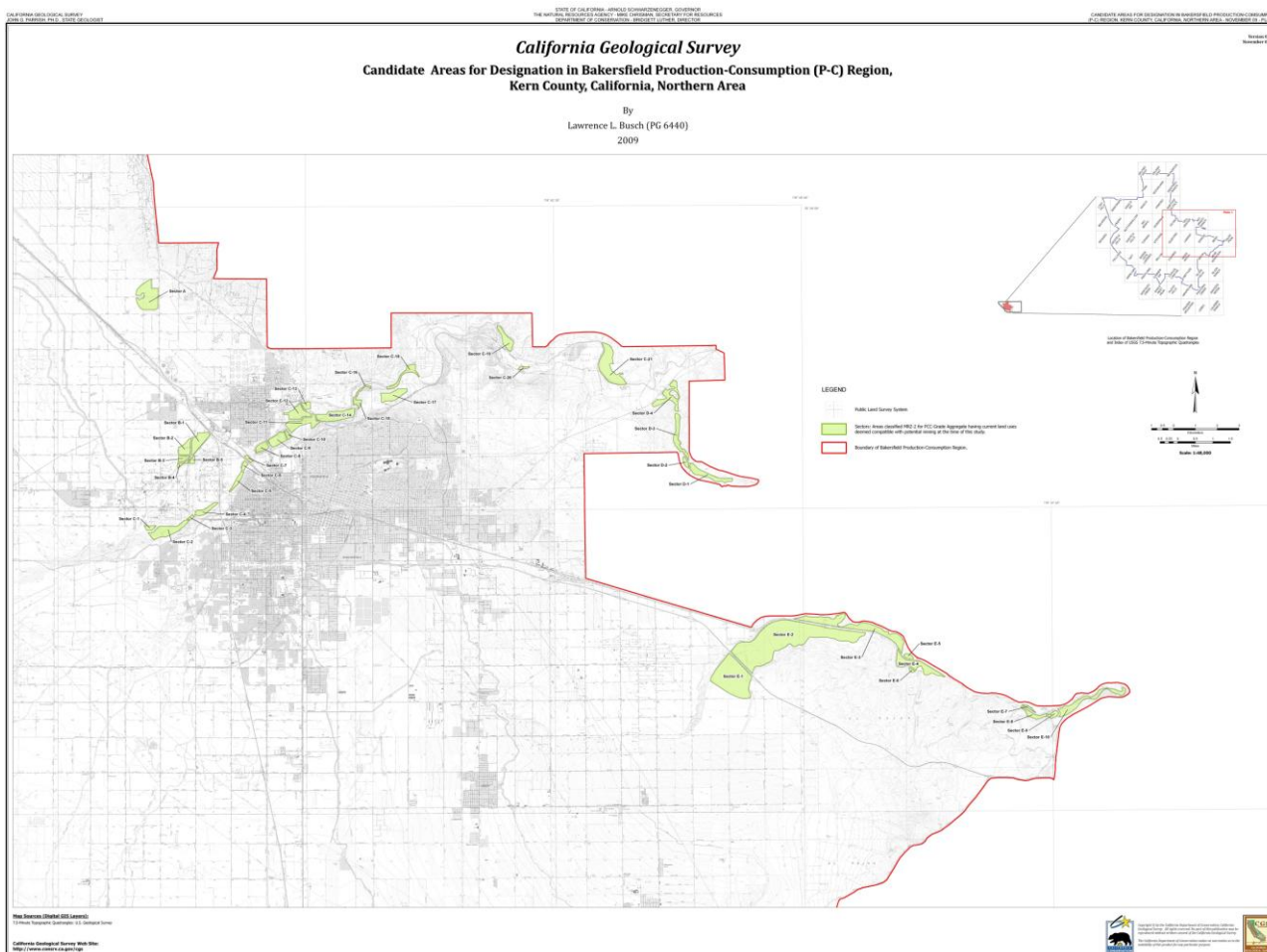


Plate 1.

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**Table 1**  
**Tabulated List of Candidate Sectors**

Sector	Acres	Location	Lead Agency
A	247	Sections 28 and 29, T28S, R27E, MDBM. North of Bakersfield, west of State Route 65, south of James Rd.	Kern County
B-1	108	Sections 14 and 15, T29S, R27E, MDBM. Northwest of Bakersfield, north of State Route 58 and west of Highway 99.	City of Bakersfield, Kern County
B-2	70	Section 15, T29S, R27E, MDBM. West of Highway 99 and north of State Route 58.	City of Bakersfield
B-3	24	Section 22, T29S, R27E, MDBM. West of Highway 99 and north of State Route 58.	City of Bakersfield
B-4	14	Section 22, T29S, R27E, MDBM. West of Highway 99 and north of State Route 58.	City of Bakersfield
B-5	15	Section 22, T29S, R27E, MDBM. West of Highway 99 and north of State Route 58.	Kern County
C-1	20	Sections 33, T29S, R27E, MDBM. North of Kern River. West of Highway 99 and south of State Route 58.	City of Bakersfield
C-2	149	Sections 27, 33 and 34, T29S, R27E, MDBM. Kern River. West of Highway 99 and south of State Route 58.	City of Bakersfield
C-3	8	Sections 27, T29S, R27E, MDBM. Kern River. West of Highway 99 and south of State Route 58.	City of Bakersfield
C-4	51	Sections 26 and 27, T29S, R27E, MDBM. Kern River. West of Highway 99 and south of State Route 58.	City of Bakersfield
C-5	36	Sections 23, 24 and 26, T29S, R27E, MDBM. Kern River. East of Highway 99 and west of State Route 204.	City of Bakersfield
C-6	18	Section 24, T29S, R27E, MDBM. Kern River. East of Highway 99 and west of State Route 204.	City of Bakersfield
C-7	14	Sections 13 and 24, T29S, R27E, MDBM. Kern River. East of State Route 204 and west of Chester Ave.	City of Bakersfield
C-8	46	Sections 13, T29S, R27E, MDBM, and Section 18, T29S, R28E, MDBM Kern River. East of State Route 204 and west of Chester Ave.	City of Bakersfield
C-9	85	Section 18, T29S, R28E, MDBM. Kern River. East of Chester Avenue and west of Manor St.	City of Bakersfield
C-10	15	Section 18 T29S, R28E MDBM. Kern River. East of Chester Avenue and west of Manor St.	City of Bakersfield
C-11	124	Sections 8, 17 and 18, T29S, R28E, MDBM. Kern River. East of Manor St.	City of Bakersfield, Kern County
C-12	104	Section 7 and 8, T29S, R28E, MDBM. North of Kern River. East of Manor St.	Kern County
C-13	26	Section 8, T29S, R28E, MDBM. North of Kern River. East of Manor St.	Kern County



Sector	Acres	Location	Lead Agency
C-14	163	Sections 8, 9, 16 and 17, T29S, R28E, MDBM. Kern River. East of Manor St.	City of Bakersfield, Kern County
C-15	32	Section 9, T29S, R28E, MDBM. Kern River. East of Manor St.	City of Bakersfield, Kern County
C-16	12	Section 9, T29S, R28E, MDBM. Kern River. West of China Grade Bridge.	City of Bakersfield
C-17	101	Section 10, T29S, R28E, MDBM. South of Kern River. North of Alfred Harrell Highway.	Kern County
C-18	70	Sections 2, 3 and 10, T29S, R28E, MDBM. Kern River. South of Round Mountain Rd.	City of Bakersfield, Kern County
C-19	80	Sections 36, T28S, R28E, MDBM, Section 31, T28S, R29E, MDBM, and Section 6, T29S, R29E, MDBM. Northeast of Kern River. East of Hart Memorial Park.	Kern County
C-20	11	Section 5, T29S, R29E, MDBM. South of Kern River. North of Alfred Harrell Highway.	Kern County
C-21	253	Sections 33 and 34, T28S, R29E, MDBM, and Sections 2, 3, 10 and 11, T29S, R29E, MDBM. North of Kern River. East of Kern River Golf Course.	City of Bakersfield, Kern County
D-1	105	Sections 19 and 20, T29S, R30E, MDBM. Cottonwood Creek. South of Breckenridge Road.	Kern County
D-2	19	Section 24, T29S, R29E, MDBM. Cottonwood Creek. South of Breckenridge Road.	Kern County
D-3	101	Sections 12, 13 and 24, T29S, R29E, MDBM. Cottonwood Creek. South of State Route 178.	City of Bakersfield, Kern County
D-4	131	Sections 1, 11 and 12, T29S, R29E, MDBM. Cottonwood Creek. South of State Route 178, north of Breckenridge Road.	City of Bakersfield
E-1	572	Sections 17, 18, 19 and 20, T30S, R30E, MDBM. Caliente Creek. South of State Route 58.	Kern County
E-2	1330	Sections 9, 10, 14, 15, 16, 17, 20 and 21, T30S, R30E, MDBM. Projected – Rancho El Tejon. Caliente Creek, north of State Route 58.	Kern County
E-3	357	Sections 9, 10, 11, 12, 13 and 14, T30S, R30E, MDBM. Projected – in Rancho El Tejon. Caliente Creek, north of Bena Road.	Kern County
E-4	171	Sections 13 and 24, T30S, R30E, MDBM, and Sections 18, 19 and 20, T30S, R31E, MDBM. Projected – in Rancho El Tejon. Caliente Creek, north of Bena Road.	Kern County
E-5	18	Sections 13, T30S, R30E, MDBM, and Section 18, T30S, R31E, MDBM. Projected – in Rancho El Tejon. Caliente Creek, north of Bena Road.	Kern County
E-6	8	Section 19, T30S, R31E, MDBM. Projected – in Rancho El Tejon.	Kern County



Sector	Acres	Location	Lead Agency
		Caliente Creek south of Bena Road.	
E-7	11	Section 27, T30S, R31E, MDBM. Caliente Creek west of Caliente.	Kern County
E-8	45	Section 27, T30S, R31E, MDBM. Caliente Creek west of Caliente.	Kern County
E-9	24	Section 26, T30S, R31E, MDBM. Caliente Creek south of Caliente.	Kern County
E-10	149	Sections 24, 25 and 26, T30S, R31E, MDBM, and Section 19, T30S, R32E, MDBM. Caliente Creek east of Caliente.	Kern County
F-1	289	Sections 34, 35, and 36, T12N, R22W, SBBM, and Sections 1, 2 and 3, T11N, R22W, SBBM. San Emigdio Creek. North of California Aqueduct.	Kern County
F-2	44	Section 36, T12N, R22W, SBBM, Section 6, T11N, R21W, SBBM, and Section 1, T11N, R22W, SBBM. San Emigdio Creek. North of California Aqueduct.	Kern County
F-3	782	Sections 1, 2 and 3, T11N, R22W, SBBM, and Section 5 and 6, T11N, R21W, SBBM. San Emigdio Creek. South of California Aqueduct, north of State Route 166.	Kern County
F-4	142	Sections 1, T11N, R22W, SBBM, and Sections 5 and 6, T11N, R21W, SBBM. San Emigdio Creek. South of California Aqueduct, north of State Route 166.	Kern County
F-5	1,468	Sections 1, 2, 3, 10, 11 and 12, T11N, R22W, SBBM and Sections 5, 6, 7 and 8, T11N, R21W, SBBM. San Emigdio Creek. South of California Aqueduct, north of State Route 166.	Kern County
F-6	347	Sections 10, 11 and 12, T11N, R22W, SBBM. San Emigdio Creek. South of State Route 166.	Kern County
F-7	183	Sections 7 and 8, T11N, R21W, SBBM. San Emigdio Creek. South of State Route 166.	Kern County
F-8	2,254	Sections 10, 11, 12, 13, 14 and 15, T11N, R22W, SBBM. San Emigdio Creek. South of State Route 166.	Kern County
F-9	1,566	Sections 7, 8, 17 and 18, T11N, R21W, SBBM. San Emigdio Creek. South of State Route 166.	Kern County
F-10	3,356	Sections 22, 23, 24, 25, 26, 35 and 36, T11N, R22W SBBM, Sections 30 and 31, T11N, R21W, SBBM and Sections 1 and 2 T10N, R22W SBBM. San Emigdio Creek. South of State Route 166.	Kern County
F-11	840	Sections 19, 20, 29 and 30, T11N, R21W, SBBM. San Emigdio Creek. South of State Route 166.	Kern County
G	882	Sections 25, 35, 36, T11N, R20W, SBBM, and Sections 30 and 31 T11N, R19W SBBM. Wheeler Ridge. West of Highways I-5 and 99.	Kern County
H-1	35	Sections 18 and 19, T10N, R18W, SBBM. Projected – in Rancho El Tejon. Pastoria Creek, south of California Aqueduct and Edmonston	Kern County





Sector	Acres	Location	Lead Agency
		Pumping Plant Road.	
H-2	48	Section 19, T10N, R18W, SBBM Projected – in Rancho El Tejon. Pastoria Creek, south of California Aqueduct and Edmonston Pumping Plant Road.	Kern County
H-3	47	Sections 18 and 19, T10N, R18W, SBBM, Projected – in Rancho El Tejon. Pastoria Creek, south of California Aqueduct and Edmonston Pumping Plant Road.	Kern County
H-4	108	Sections 12 and 13 T10N, R19W, SBBM, and Section 18, T10N, R18W, SBBM. Projected – in Rancho El Tejon. Pastoria Creek, north of California Aqueduct and Edmonston Pumping Plant Road.	Kern County
H-5	409	Sections 12 and 13, T10N, R19W, SBBM, and Sections 7 and 18, T10N, R18W, SBBM. Projected – in Rancho El Tejon. Pastoria Creek, north of California Aqueduct and Edmonston Pumping Plant Road.	Kern County
I	2,151	Sections 16, 17, 18, 19, 20, 21, 28, 29 and 30, T11N R18W, SBBM. El Paso Creek. East of Rancho Drive, south of Sebastian Road.	Kern County
J-1	35	Sections 31 and 32, T9N, R19W, SBBM. Cuddy Creek. East of Frazier Park, south of Frazier Mountain Park Road, west of Highway I-5.	Kern County
J-2	145	Sections 32 and 33, T9N, R19W, SBBM. Cuddy Creek. East of Frazier Park, north of Frazier Mountain Park Road, west of Highway I-5.	Kern County
K	125	Sections 29 and 32, T9N, R17W, SBBM. La Liebre Ranch, Little Sycamore Canyon.	Kern County

## CANDIDATE AREAS FOR DESIGNATION

Each Sector, or group of Sectors, described below, meets or exceeds the Board's threshold economic value, and each Sector may be considered for designation as an area of regional or statewide significance by the Board pursuant to Article 6, Section 2790 *et seq.* (SMARA).

### Candidate Sectors for Designation:

**Candidate Sector A** – Deposits of the James Road Resource Area, five miles north of Bakersfield and southwest of the intersection of James Road and State Highway 65, are in a small alluvial fan composed of reworked sediments derived from older alluvial fan deposits and the Kern River Formation. (Plate 1)



Candidate Sector A (247 acres) is in Sections 28 and 29, T28S, R27E, MDBM, five miles north of Bakersfield, west of State Route 65 and southwest of the intersection of James Road and State Route 65.

**Candidate Sector Group B** – Deposits of the Kern River floodplain and alluvial fan, north of State Route 58 (Rosedale Highway) and west of Highway 99. Sector B is divided into five subsectors identified as B-1 through B-5. The combined area of the subsectors of Sector B is 231 acres. (Plate 1)

Candidate Sector B-1 (108 acres) is in Sections 14 and 15, T29S, R27E, MDBM, northwest of Bakersfield, north of State Route 58 and west of Highway 99.

Candidate Sector B-2 (70 acres) is in Section 15, T29S, R27E, MDBM, west of Highway 99 and north of State Route 58.

Candidate Sector B-3 (24 acres) is in Section 22, T29S, R27E, MDBM, west of Highway 99 and north of State Route 58.

Candidate Sector B-4 (14 acres) is in Section 22, T29S, R27E, MDBM, west of Highway 99 and north of State Route 58.

Candidate Sector B-5 (15 acres) is in Section 22, T29S, R27E, MDBM, west of Highway 99 and north of State Route 58.

**Candidate Sector Group C** – Deposits of the Kern River floodplain along the main course of the Kern River from Coffee Road east to Rio Bravo Ranch. Sector C is divided into 21 subsectors identified as C-1 through C-21. The combined area of Group C subsectors is 1,418 acres. (Plate 1)

Candidate Sector C-1 (20 acres) is in Section 33, T29S, R27E, MDBM, north of Kern River, west of Highway 99 and south of State Route 58.

Candidate Sector C-2 (149 acres) is in Sections 27, 33 and 34, T29S, R27E, MDBM, west of Highway 99 and south of State Route 58.

Candidate Sector C-3 (8 acres) is in Section 27, T29S, R27E, MDBM, west of Highway 99 and south of State Route 58.

Candidate Sector C-4 (51 acre) is in Sections 26 and 27, T29S, R27E, MDBM, west of Highway 99 and south of State Route 58.



Candidate Sector C-5 (36 acres) is in Sections 23, 24 and 26, T29S, R27E, MDBM, east of Highway 99 and west of State Route 204.

Candidate Sector C-6 (18 acres) is in Section 24, T29S, R27E, MDBM, east of Highway 99 and west of State Route 204.

Candidate Sector C-7 (14 acres) is in Sections 13 and 24, T29S, R27E, MDBM, east of State Route 204 and west of Chester Ave.

Candidate Sector C-8 (46 acres) is in Section 13, T29S, R27E, MDBM, and Section 18, T29S, R28E, MDBM, east of State Route 204 and west of Chester Ave.

Candidate Sector C-9 (85 acres) is in Section 18, T29S, R28E, MDBM, east of Chester Avenue and west of Manor St.

Candidate Sector C-10 (15 acres) is in Section 18, T29S, R28E MDBM, east of Chester Avenue and west of Manor St.

Candidate Sector C-11 (124 acres) is in Sections 8, 17 and 18, T29S, R28E, MDBM, east of Manor St.

Candidate Sector C-12 (104 acres) is in Sections 7 and 8, T29S, R28E, MDBM, north of Kern River and East of Manor St.

Candidate Sector C-13 (26 acres) is in Section 8, T29S, R28E, MDBM, north of Kern River, east of Manor Street.

Candidate Sector C-14 (163 acres) is in Sections 8, 9, 16 and 17, T29S, R28E, MDBM. Kern River, east of Manor St.

Candidate Sector C-15 (32 acres) is in Section 9, T29S, R28E, MDBM. Kern River, east of Manor St.

Candidate Sector C-16 (12 acres) is in Section 9, T29S, R28E, MDBM. Kern River, west of China Grade Bridge.

Candidate Sector C-17 (101 acres) is in Section 10, T29S, R28E, MDBM, south of Kern River and north of Alfred Harrell Highway.

Candidate Sector C-18 (70 acres) is in Sections 2, 3 and 10, T29S, R28E, MDBM. Kern River, south of Round Mountain Rd.



Candidate Sector C-19 (80 acres) is in Section 36, T28S, R28E, MDBM, Section 31, T28S, R29E, MDBM, and Section 6, T29S, R29E MDBM, northeast of Kern River and east of Hart Memorial Park.

Candidate Sector C-20 (11 acres) is in Section 5, T29S, R29E, MDBM, south of Kern River and north of Alfred Harrell Highway.

Candidate Sector C-21 (253 acres) is in Sections 33 and 34, T28S, R29E, MDBM, and Sections 2, 3, 10 and 11, T29S, R29E, MDBM, north of Kern River and east of Kern River Golf Course.

**Candidate Sector Group D** – Deposits of the floodplain and alluvial fan of Cottonwood Creek, ten miles east of Bakersfield, south of State Highway 178. Sector D is divided into four subsectors identified as D-1 through D-4. The combined area of the subsectors is 356 acres. (Plate 1)

Candidate Sector D-1 (105 acres) is in Sections 19 and 20, T29S, R30E, MDBM. Cottonwood Creek, south of Breckenridge Road.

Candidate Sector D-2 (19 acres) is in Section 24, T29S, R29E, MDBM. Cottonwood Creek, south of Breckenridge Road.

Candidate Sector D-3 (101 acres) is in Sections 12, 13 and 24, T29S, R29E, MDBM. Cottonwood Creek, south of State Route 178.

Candidate Sector D-4 (131 acres) is in Sections 1, 11 and 12,, T29S, R29E, MDBM. Cottonwood Creek, south of State Route 178 and north of Breckenridge Road.

**Candidate Sector Group E** – Deposits of the floodplain of Caliente Creek, 15 to 20 miles east of Bakersfield, north of State Highway 58. Sector E is divided into 10 subsectors identified as E-1 through E-10. The combined area of the subsectors is 2,685 acres. (Plate 1)

Candidate Sector E-1 (572 acres) is in Sections 17, 18, 19 and 20, T30S, R30E, MDBM. Caliente Creek, south of State Route 58.

Candidate Sector E-2 (1,330 acres) is in Sections 9, 10, 14, 15, 16, 17, 20 and 21, T30S, R30E, MDBM (Rancho El Tejon). Caliente Creek, north of State Route 58.

Candidate Sectors E-3 (357 acres) is in Sections 9, 10, 11, 12, 13 and 14, T30S, R30E, MDBM (Rancho El Tejon). Caliente Creek, north of Bena Road.



Candidate Sector E-4 (171 acres) is in Sections 13 and 24, T30S, R30E, MDBM, and Sections 18, 19 and 20, T30S, R31E, MDBM (Rancho El Tejon). Caliente Creek, north of Bena Road.

Candidate Sector E-5 (18 acres) is in Sections 13, T30S, R30E, MDBM, and Section 18 T30S, R31E, MDBM (Rancho El Tejon). Caliente Creek, north of Bena Road.

Candidate Sector E-6 (8 acres) is in Section 19, T30S, R31E, MDBM (Rancho El Tejon). Caliente Creek, south of Bena Road.

Candidate Sector E-7 (11 acres) is in Section 27, T30S, R31E, MDBM. Caliente Creek, west of Caliente.

Candidate Sector E-8 (45 acres) is in Section 27, T30S, R31E, MDBM. Caliente Creek, west of Caliente.

Candidate Sector E-9 (24 acres) is in Section 26, T30S, R31E, MDBM. Caliente Creek, south of Caliente.

Candidate Sector E-10 (149 acres) is in Sections 24, 25 and 26, T30S, R31E, MDBM, and Section 19, T30S, R32E, MDBM. Caliente Creek, east of Caliente.

**Candidate Sector Group F** – Deposits of the alluvial fan of San Emigdio Creek, 25 miles southwest of Bakersfield, north and south of State Highway 166. Sector F is divided into eleven subsectors identified as F-1 through F-11. The combined area of the subsectors is 11,271 acres. (Plate 2)

Candidate Sector F-1 (289 acres) is in Sections 34, 35, and 36, T12N, R22W, MDBM, and Sections 1, 2 and 3, T11N, R22W, SBBM. San Emigdio Creek, north of the California Aqueduct.

Candidate Sector F-2 (44 acres) is in Section 36, T12N, R22W, SBBM, Section 6, T11N, R21W, SBBM, and Section 1 T11N, R22W, SBBM. San Emigdio Creek, north of the California Aqueduct.

Candidate Sector F-3 (782 acres) is in Sections 1, 2 and 3, T11N, R22W, SBBM, and Sections 5 and 6, T11N, R21W, SBBM. San Emigdio Creek, south of the California Aqueduct and north of State Route 166.

Candidate Sector F-4 (142 acres) is in Section 1 T11N, R22W, SBBM, and Sections 5 and 6, T11N, R21W, SBBM. San Emigdio Creek, south of the California Aqueduct and north of State Route 166.





Candidate Sector F-5 (1,468 acres) is in Sections 1, 2, 3, 10, 11, and 12, T11N, R22W, SBBM, and Sections 5, 6, 7 and 8, T11N, R21W, SBBM. San Emigdio Creek south of the California Aqueduct and north of State Route 166.

Candidate Sector F-6 (347 acres) is in Sections 10, 11 and 12, T11N, R22W, SBBM. San Emigdio Creek, south of State Route 166.

Candidate Sector F-7 (183 acres) is in Sections 7 and 8, T11N, R21W, SBBM. San Emigdio Creek, south of State Route 166.

Candidate Sector F-8 (2,254 acres) is in Sections 10, 11, 12, 13, 14 and 15, T11N, R22W, SBBM. San Emigdio Creek, south of State Route 166.

Candidate Sector F-9 (1,566 acres) is in Sections 7, 8, 17 and 18, T11N, R21W, SBBM. San Emigdio Creek, south of State Route 166.

Candidate Sector F-10 (3,356 acres) is in Sections 22, 23, 24, 25, 26, 35 and 36, T11N, R22W, SBBM, Sections 30 and 31, T11N, R21W, and Sections 1 and 2, T10N, R22W, SBBM. San Emigdio Creek, south of State Route 166.

Candidate Sector F-11 (840 acres) is in Sections 19, 20, 29 and 30, T11N, R21W, SBBM. San Emigdio Creek, south of State Route 166.

**Candidate Sector G** – Deposits of Wheeler Ridge, 25 miles south of Bakersfield, west of Interstate Highway 5, and south of State Highway 166. The deposits are in an uplifted ridge of Pleistocene sand and gravel of the Tulare Formation. The area of Sector G is 882 acres. (Plate 2)

Candidate Sector G (882 acres) is in Sections 25, 35, and 36, T11N, R20W, SBBM and Sections 30 and 31, T11N, R19W, SBBM, at Wheeler Ridge, west of Highways I-5 and 99.

**Candidate Sector Group H** – Deposits of the alluvial fan of Pastoria Creek, 30 miles southeast of Bakersfield, and north of Edmonston Pumping Plant Road. Sector H is divided into five subsectors identified as H-1 through H-5. The combined area of the subsectors is 467 acres. (Plate 2)

Candidate Sector H-1 (35 acres) is in Sections 18 and 19, T10N, R18W, SBBM, (projected – in Rancho El Tejon). Pastoria Creek, south of the California Aqueduct and Edmonston Pumping Plant Road.



Candidate Sector H-2 (48 acres) is in Section 19, T10N, R18W, SBBM, (projected – in Rancho El Tejon). Pastoria Creek, south of the California Aqueduct and Edmonston Pumping Plant Road.

Candidate Sector H-3 (47 acres) is in Sections 18 and 19, T10N, R18W, SBBM, (projected – in Rancho El Tejon). Pastoria Creek, south of the California Aqueduct and Edmonston Pumping Plant Road.

Candidate Sector H-4 (108 acres) is in Sections 12 and 13, T10N, R19W, SBBM, and Section 18 T10N, R18W, SBBM, (projected – Rancho El Tejon). Pastoria Creek, north of the California Aqueduct and Edmonston Pumping Plant Road.

Candidate Sector H-5 (409 acres) is in Sections 12 and 13, T10N, R19W, SBBM, and Sections 7 and 18, T10N, R18W, SBBM (projected – in Rancho El Tejon). Pastoria Creek, north of the California Aqueduct and Edmonston Pumping Plant Road.

**Candidate Sector I** – Deposits of the alluvial fan of El Paso Creek, 25 miles southeast of Bakersfield, east of Rancho Road and south of Sebastian Road. The area of Sector I is 2,151 acres. (Plate 2)

Candidate Sector I (2,151 acres) is in Sections 16, 17, 18, 19, 20, 21, 28, 29 and 30, T11N, R18W, SBBM. El Paso Creek east of Rancho Drive and south of Sebastian Road.

**Candidate Sector Group J** – Deposits of the floodplain of Cuddy Creek located 40 miles south of Bakersfield, along Frazier Mountain Park Road, two miles west of Interstate Highway 5. Sector J is divided into two subsectors identified as J-1 and J-2. The combined area of the subsectors is 180 acres. (Plate 2)

Candidate Sector J-1 (35 acres) is in Sections 31 and 32, T9N, R19W, SBBM. Cuddy Creek, east of Frazier Park, south of Frazier Mountain Park Road.

Candidate Sector J-2 (145 acres) is in Sections 32 and 33, T9N, R19W, SBBM. Cuddy Creek, east of Frazier Park, south of Frazier Mountain Park Road.

**Candidate Sector K** – Basement outcrops and the alluvial fan and floodplain of Little Sycamore Creek (La Liebre Ranch area), 40 miles southeast of Bakersfield, east of Interstate Highway 5 and north of State Highway 138. The area of Sector K is 125 acres. (Plate 2)

Candidate Sector K (125 acres) is in Sections 29 and 32, T9N, R17W, SBBM, (projected – in Rancho La Liebre), Little Sycamore Canyon.



**REFERENCES:**

Busch, Lawrence L., 2009, Update of Mineral Land Classification: Aggregate Materials in the Bakersfield Production-Consumption Region, Riverside County, California: California Geological Survey Special Report 210, 32 p., 3 plates.

Cole, Judy, W., 1988, Mineral Land Classification: Aggregate Materials in the Bakersfield Production-Consumption Region, Riverside County, California: Division of Mines and Geology Special Report 147, 27 p., 33 plates.



## **FINAL STATEMENT OF REASONS**

**DESCRIPTION OF REGULATORY LANGUAGE:** The SMGB has adopted, by regulation set forth in CCR Section 3550 the designation of certain mineral resource sectors within geographical areas to be of statewide or regional significance. Designation is the formal recognition by the SMGB of lands containing mineral resources of regional or statewide economic significance that are needed to meet the demands of the future. The SMGB proposes to add new proposed regulations which would add Section 3550.16 to Title 14, Article 2, of the California Code of Regulations (CCR), and provide a description of the locations of mineral resources areas designated to be of statewide significance within the Bakersfield Production-Consumption (P-C) Region, Kern County.

The SMGB has adopted, by regulation set forth in CCR Section 3550 the designation of certain mineral resource sectors within geographical areas to be of regional significance. Designation is the formal recognition by the SMGB of lands containing mineral resources of regional or statewide economic significance that are needed to meet the demands of the future. At its October 8, 2009, regular business meeting, the SMGB accepted CGS Special Report 210 titled “*Update of Mineral Land Classification, Aggregate Materials in the Bakersfield P-C Region, Kern County, California*” (Busch, 2009). This report updated information on portland cement concrete (PCC) aggregate in the original classification study of the Bakersfield Production - Consumption Region published in 1988 by CGS as Special Report 147 titled “*Mineral Land Classification: Aggregate Materials in the Bakersfield Production-Consumption Region, Riverside County, California*” (Cole, 1988).

Special Report 147 identified 19,491 acres of land containing approximately 5.3 billion tons of PCC-grade aggregate resources. The reevaluation and update in Special Report 210 identifies 20,193 acres of land containing an estimated 4.4 billion tons of PCC-grade aggregate resources; this includes an additional 2,456 acres of newly identified land containing an estimated 442 million tons of PCC-grade resources in areas adjacent to the Bakersfield P-C Region (Sectors I, J and K). The areas are identified as Candidate Sectors A through K (in 62 individual sectors and sub-sectors).

The publication of Special Report 147, and its update Special Report 210, accomplish part one of the two-part *Classification-Designation process*. Part two of the two-step process, designation, is the formal recognition by the SMGB of lands containing mineral resources of regional or statewide economic significance needed to meet the demands of the future. In the years since the original publication of Special Report 147, the designation process has not yet been completed.



The State Geologist has recommended several candidates, or areas, which meet or exceed the SMGB's threshold economic value, thus, each area may be considered for designation as an area of regional or statewide significance by the SMGB. These areas include candidate Sectors A through K (and their subsectors) as lands containing construction aggregate resources of regional or statewide significance.

**POLICY STATEMENT OVERVIEW:** The proposed regulatory language would allow consideration of new information obtained since the publication of the 1988 Mineral Land Classification study. Special Report 147 identified 19,491 acres of land containing approximately 5.3 billion tons of PCC-grade aggregate resources. The reevaluation and update in Special Report 210 identified 20,193 acres of land containing an estimated 4.4 billion tons of PCC-grade aggregate resources; this includes an additional 2,456 acres of newly identified land containing an estimated 442 million tons of PCC-grade resources in areas adjacent to the Bakersfield P-C Region (Sectors I, J and K). The areas are identified as Candidate Sectors A through K (in 62 individual sectors and sub-sectors).

Each Sector may be considered for designation as an area of regional or statewide significance by the SMGB pursuant to Article 6, Section 2790 *et seq.* (SMARA), meets or exceeds the threshold value as established by the SMGB. At the time of the updated classification study, that threshold value amounted to approximately 1.3 million tons of aggregate. This proposed regulation is necessary in order for the State to meet its aggregate availability needs.

**CEQA COMPLIANCE:** The SMGB has determined that this rule making action is not a project as defined in the California Environmental Quality Act (CEQA) and is exempt from the requirements of CEQA, Title 14, CCR, Section 15061(b)(3).

**DISCLOSURES REGARDING THE PROPOSED ACTION:** The SMGB's Executive Officer has made the following preliminary determinations:

**Mandate on local agencies and school districts:** The adoption of this amended regulation does not impose any new mandates on local agencies or on local school districts.

**Costs or savings to any State agency:** The proposed amended regulation imposes no savings or additional expenses to state agencies.

**Cost to any local agency or school district which must be reimbursed in accordance with Government Code Sections 17500 through 17630:** The proposed amended regulation does not impose any additional cost obligations on local agencies or on local school districts.





**Other non-discretionary costs or savings imposed upon local agencies:** No other non-discretionary costs or savings to local agencies are imposed by the proposed amended regulation.

**Cost or savings in Federal funding to the State:** There are no costs or savings in Federal funding to the State.

**Significant statewide adverse economic impact directly affecting business including the ability of California businesses to compete with businesses in other states:** No statewide adverse impacts to California businesses result from the adoption of this proposed amended regulatory language.

**Potential cost impact on private persons or directly affected businesses:** The imposition of the proposed amended language on a directly affected local mining operation will have a positive cost impact to that operation by the recognition of designated mineral land of regional significance which in some circumstances may reduce the amount of time, thus cost, in acquiring a permit to mine from its lead agency.

**Creation or elimination of jobs in California:** The adoption of this amended regulation will not:

- Create nor eliminate jobs within California;
- Create new nor eliminate existing businesses within California;
- Expand businesses currently doing business in California.

**Significant effect on housing costs:** The adoption of this amended regulation will have no significant effect on housing costs, but may reduce such costs by provided a source of PCC-grade aggregate closer to users and market areas.

**Effects on small businesses:** The imposition of the proposed amendment will have no cost impact on small businesses. The SMGB is not aware of any cost impacts that a representative private person or business would necessarily incur in reasonable compliance with the proposed action. There are no costs related or associated with the proposed designation of mineral lands. Such considerations require a lead agency to consider the regional significance of mineral lands designated by the SMGB when making land use decisions, but does not impose any fees or costs to small businesses as part of that consideration.

**CONSIDERATION OF ALTERNATIVES:** The SMGB must determine that no reasonable alternative that it considers or that has otherwise been identified and brought to the attention



of the SMGB would be more effective in carrying out the purpose for which the action is proposed, or would be as effective and less burdensome to affected private persons than the proposed action. The SMGB's Executive Officer has not identified any adverse impacts resulting from the proposed regulation.

No alternatives have been considered by the SMGB at this time that would be more effective in carrying out the purpose for which the regulatory action is proposed, nor have any other alternatives been proposed that would be as effective and less burdensome to affected private persons, lead agencies, or small businesses.

**CONFLICT WITH FEDERAL REGULATIONS:** This regulation change does not duplicate or conflict with existing Federal statutes or regulations. Also, by Memorandum of Understanding with the Federal Bureau of Land Management, the U. S. Forest Service, the Department of Conservation, and the SMGB, SMARA and federal law are coordinated to eliminate duplication.

#### **GENERAL PURPOSE AND CONDITION ADDRESSED**

Article 6 of the Surface Mining and Reclamation Act of 1975 (SMARA), commencing with PRC Section 2790, provides for the SMGB, based upon mineral information from the State Geologist pursuant to subdivision (c) of PRC Section 2761, to adopt in regulation specific geographic areas of the state as areas of statewide or regional mineral resource significance and specify the boundaries of those areas.

At its October 8, 2009, regular business meeting, the SMGB accepted CGS Special Report 210 for Update of Mineral Land Classification, Aggregate Materials in the Bakersfield Production-Consumption (P-C) Region, Kern County, California. Consideration of designation of mineral lands typically follows classification. The SMGB, based on recommendations from the State Geologist, considers areas to be designated. The State Geologist has recommended designation of select mineral resource lands in the Bakersfield's P-C Region, Kern County. The State Geologist's recommendations were accepted by the SMGB at its regular business meeting held on November 12, 2009. The period for public comment was from July 1, 2010 to August 30, 2010, which included a public hearing that was held in Bakersfield. To date, no public comments have been received. At its September 9, 2010, regular business meeting, the SMGB accepted the proposed new designations for the Bakersfield P-C Region pursuant to PRC Section 2761.

#### **SPECIFIC PURPOSE:**

The proposed new regulations adding Section 3550.16 to Article 2 CCR, is intended to clarify and make specific those mineral lands that are to be designated by the SMGB as



having regional significance within the Bakersfield P-C Region. These regulations are contained under Article 2, titled Areas Designated to be of Regional Significance.

The proposed new regulations reflect information provided in CGS Special Report 147 which identified 19,491 acres of land containing approximately 5.3 billion tons of PCC-grade aggregate resources, and a reevaluation and update as presented in CGS Special Report 210 which identified 20,193 acres of land containing an estimated 4.4 billion tons of PCC-grade aggregate resources. CGS Special Report 210 included an additional 2,456 acres of newly identified land containing an estimated 442 million tons of PCC-grade resources in areas adjacent to the Bakersfield P-C Region (Sectors I, J and K). The areas are identified as Candidate Sectors A through K (in 62 individual sectors and sub-sectors).

Proposed new regulations, CCR Section 3550.16, indicates reference to two maps or plates. These two maps form an integral part of the regulation.

**STATEMENT OF NECESSITY:**

PRC Section 2790 provides the SMGB the authority to adopt regulations that establish state policy for the designation of mineral lands of statewide or regional significance, in accordance with Article 6 (commencing with Section 2790) of this chapter, and pursuant to PRC Section 2761. PRC Section 2790, states that after receipt of mineral information from the State Geologist, the SMGB may by regulation adopted after a public hearing designate specific geographic areas of the state as areas of statewide or regional significance and specify the boundaries thereof. Such designation shall be included as a part of the state policy and shall indicate the reason for which the particular area designated is of significance to the state or region, the adverse effects that might result from premature development of incompatible land uses, the advantages that might be achieved from extraction of the minerals of the area, and the specific goals and policies to protect against the premature incompatible development of the area. PRC Section 2791 also requires the SMGB to seek the recommendations of concerned federal, state, and local agencies, educational institutions, civic and public interest organizations, and private organizations and individuals in the identification of areas of statewide and regional significance.

In 2006, CGS in their statewide report titled “*Map Sheet 52 (Updated 2006), Aggregate Availability in California*” noted that the Bakersfield P-C Region 50-year demand for aggregate was on the order of 252 million tons. Permitted aggregate resources were on the order of 115 million tons. The percentage of permitted aggregate resources, as compared to the 50-year demand, was 46 percent, significantly lower than the projected demand.

Special Report 147, “*Mineral Land Classification: Aggregate Materials in the Bakersfield Production-Consumption Region, Riverside County, California,*”



published in 1988 by CGS, identified 19,491 acres of land containing approximately 5.3 billion tons of PCC-grade aggregate resources. The reevaluation and update in Special Report 210 identified 20,193 acres of land containing an estimated 4.4 billion tons of PCC-grade aggregate resources; this included an additional 2,456 acres of newly identified land containing an estimated 442 million tons of PCC-grade resources in areas adjacent to the Bakersfield P-C Region (Sectors I, J and K).

**IDENTIFICATION OF TECHNICAL / THEORETICAL / EMPIRICAL STUDIES, REPORTS, OR DOCUMENTS UPON WHICH THE SMGB HAS RELIED:** Designation is the formal recognition by the SMGB of lands containing mineral resources of regional or statewide economic significance that are needed to meet the demands of the future. At its October 8, 2009, regular business meeting, the SMGB accepted CGS Special Report 210 titled “*Update of Mineral Land Classification, Aggregate Materials in the Bakersfield P-C Region, Kern County, California*” (Busch, 2009). This report updated information on portland cement concrete (PCC) aggregate in the original classification study of the Bakersfield Production -Consumption Region published in 1988 by CGS as Special Report 147 titled “*Mineral Land Classification: Aggregate Materials in the Bakersfield Production-Consumption Region, Riverside County, California*” (Cole, 1988).

Special Report 147 identified 19,491 acres of land containing approximately 5.3 billion tons of PCC-grade aggregate resources. The reevaluation and update in Special Report 210 identifies 20,193 acres of land containing an estimated 4.4 billion tons of PCC-grade aggregate resources; this includes an additional 2,456 acres of newly identified land containing an estimated 442 million tons of PCC-grade resources in areas adjacent to the Bakersfield P-C Region (Sectors I, J and K). The areas are identified as Candidate Sectors A through K (in 62 individual sectors and sub-sectors).

The publication of CGS Special Report 147, and its update CGS Special Report 210, accomplish part-one of the two-part *Classification-Designation process*. Part two of the two-step process, designation, is the formal recognition by the SMGB of lands containing mineral resources of regional or statewide economic significance needed to meet the demands of the future. In the years since the original publication of Special Report 147, the designation process has not yet been completed.

The State Geologist has recommended several candidates, or areas, which meet or exceed the SMGB’s threshold economic value, thus, each area may be considered for designation as an area of regional or statewide significance by the SMGB. These areas include candidate Sectors A through K (and their subsectors) as lands containing construction aggregate resources of regional or statewide significance.



**CEQA COMPLIANCE:** The SMGB has determined that this rulemaking process is either not a project under Title 14, CCR Section 15378 of the CEQA Guidelines, or is categorically Exempt under Title 14, CCR Section 15308 of the CEQA Guidelines.

**DISCLOSURES REGARDING THE PROPOSED ACTION:** The SMGB has made the following determinations:

**Mandate on local agencies and school districts:** The SMGB staff determined that adoption of this regulation does not impose any new mandates on local agencies or on local school districts.

**Costs or savings to any State agency:** The SMGB staff determined that this proposed regulation imposes no savings or additional expenses to state agencies.

**Cost to any local agency or school district which must be reimbursed in accordance with Government Code §§ 17500 through 17630:** The SMGB staff determined this proposed regulation does not impose any additional cost obligations on local agencies or on local school districts.

**Other non-discretionary costs or savings imposed upon local agencies:** The SMGB staff determined that no other non-discretionary costs or savings to local agencies are imposed by the proposed regulations.

**Cost or savings in Federal funding to the State:** The SMGB staff determined that there are no costs or savings in Federal funding to the State.

**Significant statewide adverse economic impact directly affecting business including the ability of California businesses to compete with businesses in other states:** The SMGB staff determined that no statewide adverse impacts to California businesses result from the adoption of this proposed regulatory language.

**Potential cost impact on private persons or directly affected businesses:** The SMGB staff has determined that the proposed regulatory language will not have a potential cost impact on private persons but will have an impact on directly affected businesses should a surface mine operator request a vested right determination.

**Creation or elimination of jobs in California:** The SMGB staff has determined that the adoption of these regulations will not:

- Create nor eliminate jobs within California;
- Create new nor eliminate existing businesses within California;
- Expand businesses currently doing business in California.





**Significant effect on housing costs:** The SMGB staff has determined that the adoption of these regulations will have no significant effect on housing costs.

**Effects on small businesses:** The SMGB staff has determined that the designation of mineral lands areas will have no effect on small businesses.

**CONSIDERATION OF ALTERNATIVES:** The SMGB has determined that no reasonable alternative that it has considered or that has otherwise been identified and brought to the attention of the SMGB would be more effective in carrying out the purpose for which the action is proposed or would be as effective and less burdensome to affected private persons than the proposed action. SMGB staff has not identified any adverse impacts resulting from the proposed regulation.

No alternatives have been considered by the SMGB that would be more effective in carrying out the purpose for which the regulatory action is proposed, nor have any other alternatives been proposed that would be as effective and less burdensome to affected private persons, lead agencies, or small businesses.

**CONFLICT WITH FEDERAL REGULATIONS:** This regulation does not duplicate or conflict with existing Federal statutes or regulations. Also, by Memorandum of Understanding with the Federal Bureau of Land Management, the U. S. Forest Service, the Department of Conservation, and the SMGB, SMARA and federal law are coordinated to eliminate duplication.



**RECOMMENDATION OF THE EXECUTIVE OFFICER:** The Executive Officer declares that the rulemaking process has been followed in accordance with the Administrative Procedure Act, and recommends that the SMGB approve the findings, determinations, and disclosures contained in this Report, and adopt this regulation adding Section 3550.16 to Title 14, Article 2, of the California Code of Regulations (CCR), which provides a description of the locations of mineral resources areas designated to be of statewide or regional significance.

**SUGGESTED MOTION LANGUAGE:** The Executive Officer offers the following motion language for the SMGB's consideration.

Motion to adopt the proposed language into regulation:

*Mr. Chairman, in light of the information before the SMGB today, I move that the Board adopts the regulatory language adding Section 3550.16 to Title 14 Article 2 of the California Code of Regulations, as presented, which provides a description of the location of mineral resources areas designated to be of statewide or regional significance within the Bakersfield Production-Consumption Region, Kern County, and instructs the Executive Officer to file the adopted regulation with the Office of Administrative Law.*

Respectfully submitted:

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Stephen M. Testa  
Executive Officer



**REGULATION TEXT:**

**Article 2. Areas Designated to be of Regional Significance**

**Section 3550.16. Construction Aggregate Resources, Bakersfield Production-Consumption**

**Region**

The mineral resources areas for designation are shown on two Plates incorporated by reference into this regulation: Plate 1, *Candidate Areas for Designation in the Bakersfield Production-Consumption (P-C) Region, Kern County California, Northern Area*; and Plate 2, *Candidate Areas for Designation in the Bakersfield Production-Consumption (P-C) Region, Kern County California, Southern Area*. These maps are available from the State Mining and Geology Board's office in Sacramento.

The aggregate deposits in the following areas are designated as being of regional significance.

**Candidate Sector A** – Deposits of the James Road Resource Area, five miles north of Bakersfield and southwest of the intersection of James Road and State Highway 65, are in a small alluvial fan composed of reworked sediments derived from older alluvial fan deposits and the Kern River Formation. (Plate 1)

Candidate Sector A (247 acres) is in Sections 28 and 29, T28S, R27E, MDBM, five miles north of Bakersfield, west of State Route 65 and southwest of the intersection of James Road and State Route 65.

**Candidate Sector Group B** – Deposits of the Kern River floodplain and alluvial fan, north of the State Route 58 (Rosedale Highway) and west of Highway 99. Sector B is divided into five subsectors identified as B-1 through B-5. The combined area of the subsectors of Sector B is 231 acres. (Plate 1)

Candidate Sector B-1 (108 acres) is in Sections 14 and 15, T29S, R27E, MDBM, northwest of Bakersfield, north of State Route 58 and west of Highway 99.

Candidate Sector B-2 (70 acres) is in Section 15, T29S, R27E, MDBM, west of Highway 99 and north of State Route 58.

Candidate Sector B-3 (24 acres) is in Section 22, T29S, R27E, MDBM, west of Highway 99 and north of State Route 58.

Candidate Sector B-4 (14 acres) is in Section 22, T29S, R27E, MDBM, west of Highway 99 and north of State Route 58.

Candidate Sector B-5 (15 acres) is in Section 22, T29S, R27E, MDBM, west of Highway 99 and north of State Route 58.



**Candidate Sector Group C – Deposits of the Kern River floodplain along the main course of the Kern River from Coffee Road east to Rio Bravo Ranch. Sector C is divided into 21 subsectors identified as C-1 through C-21. The combined area of Group C subsectors is 1,418 acres. (Plate 1)**

Candidate Sector C-1 (20 acres) is in Section 33, T29S, R27E, MDBM, north of Kern River, west of Highway 99 and south of State Route 58.

Candidate Sector C-2 (149 acres) is in Sections 27, 33 and 34, T29S, R27E, MDBM, west of Highway 99 and south of State Route 58.

Candidate Sector C-3 (8 acres) is in Section 27, T29S, R27E, MDBM, west of Highway 99 and south of State Route 58.

Candidate Sector C-4 (51 acre) is in Sections 26 and 27, T29S, R27E, MDBM, west of Highway 99 and south of State Route 58.

Candidate Sector C-5 (36 acres) is in Sections 23, 24 and 26, T29S, R27E, MDBM, east of Highway 99 and west of State Route 204.

Candidate Sector C-6 (18 acres) is in Section 24, T29S, R27E, MDBM, east of Highway 99 and west of State Route 204.

Candidate Sector C-7 (14 acres) is in Sections 13 and 24, T29S, R27E, MDBM, east of State Route 204 and west of Chester Ave.

Candidate Sector C-8 (46 acres) is in Section 13, T29S, R27E, MDBM, and Section 18, T29S, R28E, MDBM, east of State Route 204 and west of Chester Ave.

Candidate Sector C-9 (85 acres) is in Section 18, T29S, R28E, MDBM, east of Chester Avenue and west of Manor St.

Candidate Sector C-10 (15 acres) is in Section 18, T29S, R28E MDBM, east of Chester Avenue and west of Manor St.

Candidate Sector C-11 (124 acres) is in Sections 8, 17 and 18, T29S, R28E, MDBM, east of Manor St.

Candidate Sector C-12 (104 acres) is in Sections 7 and 8, T29S, R28E, MDBM, north of Kern River and East of Manor St.

Candidate Sector C-14 (163 acres) is in Sections 8, 9, 16 and 17, T29S, R28E, MDBM. Kern River, east of Manor St.

Candidate Sector C-15 (32 acres) is in Section 9, T29S, R28E, MDBM. Kern River, east of Manor St.



Candidate Sector C-16 (12 acres) is in Section 9, T29S, R28E, MDBM. Kern River, west of China Grade Bridge.

Candidate Sector C-17 (101 acres) is in Section 10, T29S, R28E, MDBM, south of Kern River and north of Alfred Harrell Highway.

Candidate Sector C-18 (70 acres) is in Sections 2, 3 and 10, T29S, R28E, MDBM. Kern River, south of Round Mountain Rd.

Candidate Sector C-19 (80 acres) is in Section 36, T28S, R28E, MDBM, Section 31, T28S, R29E, MDBM, and Section 6, T29S, R29E MDBM, northeast of Kern River and east of Hart Memorial Park.

Candidate Sector C-20 (11 acres) is in Section 5, T29S, R29E, MDBM, south of Kern River and north of Alfred Harrell Highway.

Candidate Sector C-21 (253 acres) is in Sections 33 and 34, T28S, R29E, MDBM, and Sections 2, 3, 10 and 11, T29S, R29E, MDBM, north of Kern River and east of Kern River Golf Course.

**Candidate Sector Group D – Deposits of the floodplain and alluvial fan of Cottonwood Creek, ten miles east of Bakersfield, south of State Highway 178. Sector D is divided into four subsectors identified as D-1 through D-4. The combined area of the subsectors is 356 acres. (Plate 1)**

Candidate Sector D-1 (105 acres) is in Sections 19 and 20, T29S, R30E, MDBM. Cottonwood Creek, south of Breckenridge Road.

Candidate Sector D-2 (19 acres) is in Section 24, T29S, R29E, MDBM. Cottonwood Creek, south of Breckenridge Road.

Candidate Sector D-3 (101 acres) is in Sections 12, 13 and 24, T29S, R29E, MDBM. Cottonwood Creek, south of State Route 178.

Candidate Sector D-4 (131 acres) is in Sections 1, 11 and 12, T29S, R29E, MDBM. Cottonwood Creek, south of State Route 178 and north of Breckenridge Road.

**Candidate Sector Group E – Deposits of the floodplain of Caliente Creek, 15 to 20 miles east of Bakersfield, north of State Highway 58. Sector E is divided into 10 subsectors identified as E-1 through E-10. The combined area of the subsectors is 2,685 acres. (Plate 1)**

Candidate Sector E-1 (572 acres) is in Sections 17, 18, 19 and 20, T30S, R30E, MDBM. Caliente Creek, south of State Route 58.

Candidate Sector E-2 (1,330 acres) is in Sections 9, 10, 14, 15, 16, 17, 20 and 21, T30S, R30E, MDBM (Rancho El Tejon). Caliente Creek, north of State Route 58.





Candidate Sectors E-3 (357 acres) is in Sections 9, 10, 11, 12, 13 and 14, T30S, R30E, MDBM (Rancho El Tejon). Caliente Creek, north of Bena Road.

Candidate Sector E-4 (171 acres) is in Sections 13 and 24, T30S, R30E, MDBM, and Sections 18, 19 and 20, T30S, R31E, MDBM (Rancho El Tejon). Caliente Creek, north of Bena Road.

Candidate Sector E-5 (18 acres) is in Sections 13, T30S, R30E, MDBM, and Section 18 T30S, R31E, MDBM (Rancho El Tejon). Caliente Creek, north of Bena Road.

Candidate Sector E-6 (8 acres) is in Section 19, T30S, R31E, MDBM (Rancho El Tejon). Caliente Creek, south of Bena Road.

Candidate Sector E-7 (11 acres) is in Section 27, T30S, R31E, MDBM. Caliente Creek, west of Caliente.

Candidate Sector E-8 (45 acres) is in Section 27, T30S, R31E, MDBM. Caliente Creek, west of Caliente.

Candidate Sector E-9 (24 acres) is in Section 26, T30S, R31E, MDBM. Caliente Creek, south of Caliente.

Candidate Sector E-10 (149 acres) is in Sections 24, 25 and 26, T30S, R31E, MDBM, and Section 19, T30S, R32E, MDBM. Caliente Creek, east of Caliente.

**Candidate Sector Group F – Deposits of the alluvial fan of San Emigdio Creek, 25 miles southwest of Bakersfield, north and south of State Highway 166. Sector F is divided into eleven subsectors identified as F-1 through F-11. The combined area of the subsectors is 11,271 acres. (Plate 2)**

Candidate Sector F-1 (289 acres) is in Sections 34, 35, and 36, T12N, R22W, MDBM, and Sections 1, 2 and 3, T11N, R22W, SBBM. San Emigdio Creek, north of the California Aqueduct.

Candidate Sector F-2 (44 acres) is in Section 36, T12N, R22W, SBBM, Section 6, T11N, R21W, SBBM, and Section 1 T11N, R22W, SBBM. San Emigdio Creek, north of the California Aqueduct.

Candidate Sector F-3 (782 acres) is in Sections 1, 2 and 3, T11N, R22W, SBBM, and Sections 5 and 6, T11N, R21W, SBBM. San Emigdio Creek, south of the California Aqueduct and north of State Route 166.

Candidate Sector F-4 (142 acres) is in Section 1 T11N, R22W, SBBM, and Sections 5 and 6, T11N, R21W, SBBM. San Emigdio Creek, south of the California Aqueduct and north of State Route 166.



Candidate Sector F-5 (1,468 acres) is in Sections 1, 2, 3, 10, 11, and 12, T11N, R22W, SBBM, and Sections 5, 6, 7 and 8, T11N, R21W, SBBM. San Emigdio Creek south of the California Aqueduct and north of State Route 166.

Candidate Sector F-6 (347 acres) is in Sections 10, 11 and 12, T11N, R22W, SBBM. San Emigdio Creek, south of State Route 166.

Candidate Sector F-7 (183 acres) is in Sections 7 and 8, T11N, R21W, SBBM. San Emigdio Creek, south of State Route 166.

Candidate Sector F-8 (2,254 acres) is in Sections 10, 11, 12, 13, 14 and 15, T11N, R22W, SBBM. San Emigdio Creek, south of State Route 166.

Candidate Sector F-9 (1,566 acres) is in Sections 7, 8, 17 and 18, T11N, R21W, SBBM. San Emigdio Creek, south of State Route 166.

Candidate Sector F-10 (3,356 acres) is in Sections 22, 23, 24, 25, 26, 35 and 36, T11N, R22W, SBBM, Sections 30 and 31, T11N, R21W, and Sections 1 and 2, T10N, R22W, SBBM. San Emigdio Creek, south of State Route 166.

Candidate Sector F-11 (840 acres) is in Sections 19, 20, 29 and 30, T11N, R21W, SBBM. San Emigdio Creek, south of State Route 166.

**Candidate Sector G – Deposits of Wheeler Ridge, 25 miles south of Bakersfield, west of Interstate Highway 5, and south of State Highway 166. The deposits are in an uplifted ridge of Pleistocene sand and gravel of the Tulare Formation. The area of Sector G is 882 acres. (Plate 2)**

Candidate Sector G (882 acres) is in Sections 25, 35, and 36, T11N, R20W, SBBM and Sections 30 and 31, T11N, R19W, SBBM, at Wheeler Ridge, west of Highways I-5 and 99.

**Candidate Sector Group H – Deposits of the alluvial fan of Pastoria Creek, 30 miles southeast of Bakersfield, and north of Edmonston Pumping Plant Road. Sector H is divided into five subsectors identified as H-1 through H-5. The combined area of the subsectors is 467 acres. (Plate 2)**

Candidate Sector H-1 (35 acres) is in Sections 18 and 19, T10N, R18W, SBBM, (projected – in Rancho El Tejon). Pastoria Creek, south of the California Aqueduct and Edmonston Pumping Plant Road.

Candidate Sector H-2 (48 acres) is in Section 19, T10N, R18W, SBBM, (projected – in Rancho El Tejon). Pastoria Creek, south of the California Aqueduct and Edmonston Pumping Plant Road.

Candidate Sector H-3 (47 acres) is in Sections 18 and 19, T10N, R18W, SBBM, (projected – in Rancho El Tejon). Pastoria Creek, south of the California Aqueduct and Edmonston Pumping Plant Road.



Candidate Sector H-4 (108 acres) is in Sections 12 and 13, T10N, R19W, SBBM, and Section 18 T10N, R18W, SBBM, (projected – Rancho El Tejon). Pastoria Creek, north of the California Aqueduct and Edmonston Pumping Plant Road.

Candidate Sector H-5 (409 acres) is in Sections 12 and 13, T10N, R19W, SBBM, and Sections 7 and 18, T10N, R18W, SBBM (projected – in Rancho El Tejon). Pastoria Creek, north of the California Aqueduct and Edmonston Pumping Plant Road.

**Candidate Sector I – Deposits of the alluvial fan of El Paso Creek, 25 miles southeast of Bakersfield, east of Rancho Road and south of Sebastian Road. The area of Sector I is 2,151 acres. (Plate 2)**

Candidate Sector I (2,151 acres) is in Sections 16, 17, 18, 19, 20, 21, 28, 29 and 30, T11N, R18W, SBBM. El Paso Creek east of Rancho Drive and south of Sebastian Road.

**Candidate Sector Group J – Deposits of the floodplain of Cuddy Creek located 40 miles south of Bakersfield, along Frazier Mountain Park Road, two miles west of Interstate Highway 5. Sector J is divided into two subsectors identified as J-1 and J-2. The combined area of the subsectors is 180 acres. (Plate 2)**

Candidate Sector J-1 (35 acres) is in Sections 31 and 32, T9N, R19W, SBBM. Cuddy Creek, east of Frazier Park, south of Frazier Mountain Park Road.

Candidate Sector J-2 (145 acres) is in Sections 32 and 33, T9N, R19W, SBBM. Cuddy Creek, east of Frazier Park, south of Frazier Mountain Park Road.

**Candidate Sector K – Basement outcrops and the alluvial fan and floodplain of Little Sycamore Creek (La Liebre Ranch area), 40 miles southeast of Bakersfield, east of Interstate Highway 5 and north of State Highway 138. The area of Sector K is 125 acres. (Plate 2)**

Candidate Sector K (125 acres) is in Sections 29 and 32, T9N, R17W, SBBM, (projected – in Rancho La Liebre), Little Sycamore Canyon.

**NOTE**

*Authority cited: Section 2790, Public Resources Code.  
Reference: Sections 2726, 2761-63  
and 2790-92. Public Resources Code.*

